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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew Bruss et al.

Title: SYSTEMS AND METHODS FOR EMULATING AN ANGIOGRAM USING THREE-DIMENSIONAL IMAGE DATA

Docket No.: 543.009US1

Serial No.: 10/679,250

Filed: October 3, 2003

Due Date: N/A

Examiner: Unknown

Group Art Unit: 3762

MS Amendment

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items (as indicated with an "X"):

- ☒ Return postcard.
- ☒ Communication Concerning Related Applications (1 pg.).
- ☒ Supplemental Information Disclosure Statement (2 pgs.), Form 1449 (3 pgs.), and copies of 21 cited documents, including the International Search Report for corresponding PCT Application No. PCT/US2004/032715 (4 pgs.)

If not provided for in a separate paper filed herewith, Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

Customer Number 21186

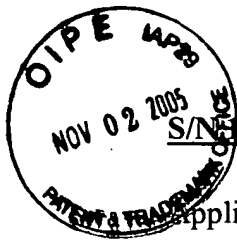
By: Rodney L. Lacy
Atty: Rodney L. Lacy
Reg. No. 41,136

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 31st day of October, 2005.

JAMES KANYUSIK
Name

[Signature]
Signature

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
(GENERAL)



S/N 10/679,250

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Andrew Bruss et al. Examiner: Unknown
Serial No.: 10/679,250 Group Art Unit: 3762
Filed: October 3, 2003 Docket: 543.009US1
Title: SYSTEMS AND METHODS FOR EMULATING AN ANGIOGRAM USING
THREE-DIMENSIONAL IMAGE DATA

COMMUNICATION CONCERNING RELATED APPLICATION

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Applicants would like to bring to the Examiner's attention the following related application in the above-identified patent application:

<u>Serial/Patent No.</u>	<u>Filing Date/Issue Date</u>	<u>Attorney Docket</u>	<u>Title</u>
10/723,445	November 26, 2003	543.011US1	SYSTEM AND METHODS FOR SEGMENTING AND DISPLAYING TUBULAR VESSELS IN VOLUMETRIC IMAGING DATA

Continuations and divisionals may be later filed on the cases listed above, or cited to the Examiner in any previous Communication Concerning Related Applications. Applicants request that the Examiner review all continuations and divisionals of the above-listed or previously-cited patent applications before allowing the claims of the present patent application.

Respectfully submitted,

ANDREW BRUSS ET AL.

By Applicants' Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6954

Date October 31, 2005 By [Signature]
Rodney L. Lacy
Reg. No. 41,136

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JAMES KANYUSIK
Name

[Signature]
Signature

S/N 10/679,250



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Andrew Bruss et al.	Examiner:	Unknown
Serial No.:	10/679,250	Group Art Unit:	3762
Filed:	October 03, 2003	Docket:	543.009US1
Title:	SYSTEMS AND METHODS FOR EMULATING AN ANGIOGRAM USING THREE-DIMENSIONAL IMAGE DATA		

INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicants with the next official communication.

Several of the documents listed on the attach 1449 were discovered as a result of a Search Report in Applicant's corresponding foreign patent application. Enclosed for the Examiner's information are copies of these cited documents and the Search Report.

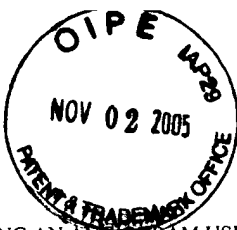
Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Information Disclosure Statement considered.

INFORMATION DISCLOSURE STATEMENT

Serial No :10/679,250

Filing Date: October 03, 2003

Title: SYSTEMS AND METHODS FOR EMULATING AN ANGIOGRAM USING THREE-DIMENSIONAL IMAGE DATA



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Dkt: 543.009US1

Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

Respectfully submitted,

ANDREW BRUSS ET AL.

By their Representatives,

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938
Minneapolis, MN 55402
(612) 373-6954

Date October 31, 2005 By [Signature]
Rodney L. Lacy
Reg. No. 41,136

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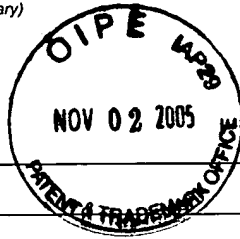
JAMES KANYUSIK
Name

[Signature]
Signature

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
 STATEMENT BY APPLICANT**

(Use as many sheets as necessary)



Complete if Known

Application Number	10/679,250
Filing Date	October 3, 2003
First Named Inventor	Bruss, Andrew
Group Art Unit	3762
Examiner Name	Unknown

Sheet 1 of 3

Attorney Docket No: 543.009US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2002/0090121 A1	07/11/2002	Schneider, Alexander C., et al.	11/23/2001
	US-2003/0056799 A1	03/27/2003	Young, Stewart , et al.	09/05/2002
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EXAMINER

DATE CONSIDERED

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number 10/679,250**Filing Date** October 3, 2003**First Named Inventor** Bruss, Andrew**Group Art Unit** 3762**Examiner Name** Unknown

Sheet 2 of 3

Attorney Docket No: 543.009US1**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	EP-0368425A2	05/16/1990	Kaufman, Aire E., et al.	
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	EP-1089235A2	07/23/2002	Lauer, Hugh C., et al.	
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	WO-2005/034040A1	04/14/2005	Bruss, A., et al.	
	WO-2005/055141A1	06/16/2005	Krishnamoorthy, P. , et al.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		"International Search Report for corresponding PCT Application No. PCT/US2004/032715", (Attorney Docket No. 543.009WO1),(January 14, 2005), 4 pgs.	
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		HALL, P., "A Complete Simulation of X-Ray Angiography", <u>Proceedings of the Spie- The International Society for Optical Engineering</u> , 3338, (Feb., 1998),1064-1075	
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		MAROVIC, B S., et al., "Enhanced Visualization of Angiograms using 3D Models", <u>Proceedings of the Spie</u> , 3658, (Feb. 1999),90-98	

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional) ² Applicant is to place a check mark here if English language Translation is attached

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>	Complete if Known <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">Application Number</td> <td>10/679,250</td> </tr> <tr> <td>Filing Date</td> <td>October 3, 2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Bruss, Andrew</td> </tr> <tr> <td>Group Art Unit</td> <td>3762</td> </tr> <tr> <td>Examiner Name</td> <td>Unknown</td> </tr> </table>	Application Number	10/679,250	Filing Date	October 3, 2003	First Named Inventor	Bruss, Andrew	Group Art Unit	3762	Examiner Name	Unknown
Application Number	10/679,250										
Filing Date	October 3, 2003										
First Named Inventor	Bruss, Andrew										
Group Art Unit	3762										
Examiner Name	Unknown										
Sheet 3 of 3	Attorney Docket No: 543.009US1										

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SETHIAN, J. A., <u>Level Set Methods and Fast Marching Methods</u> , Evolving Interfaces in Computational Geometry, Fluid Mechanics, Computer Vision, and Materials Science, 2 nd Edition, (Series: Cambridge University's Monographs on Applied and Computational Mathematics (No. 3)), (1999), 202 pgs.	

EXAMINER

DATE CONSIDERED